

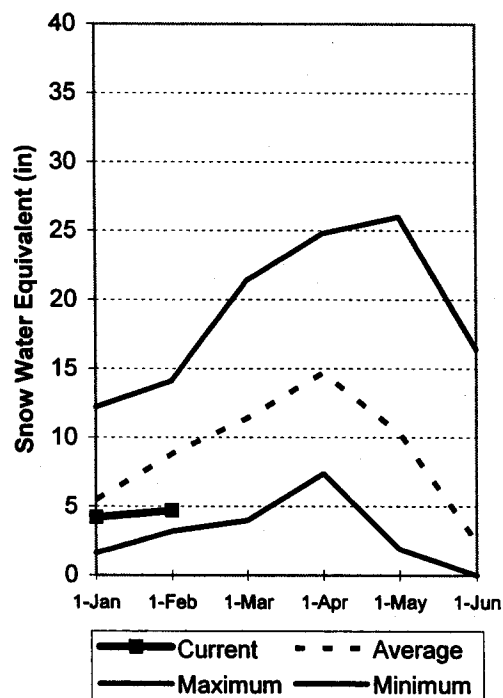
# Sevier and Beaver River Basins

Feb 1, 2003

Snowpacks on the Sevier River Basin are much below normal at 54% of average, about 87% of last year and down 22% relative to last month. Individual sites range from 0% to 72% of average. This could be the fifth consecutive below normal April 1 snowpack year for the Sevier with only a 13% chance of getting back to average by April 1. Soil moisture is somewhat improved over last year and may yield a higher runoff efficiency. Precipitation during January was much below average at 28% of normal, bringing the seasonal accumulation (Oct-Jan) to 71% of average. Reservoir storage is at 26% of capacity. Water supply conditions and streamflow forecasts are much below normal due to low snowpack and low reservoir storage.

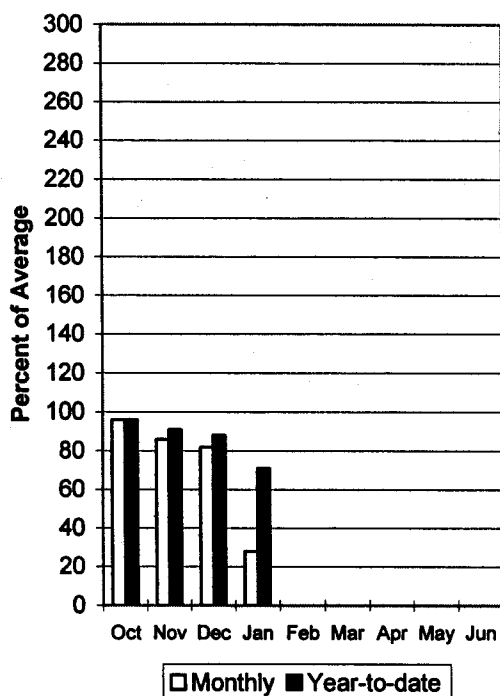
## Sevier River Snowpack

2/1/2003



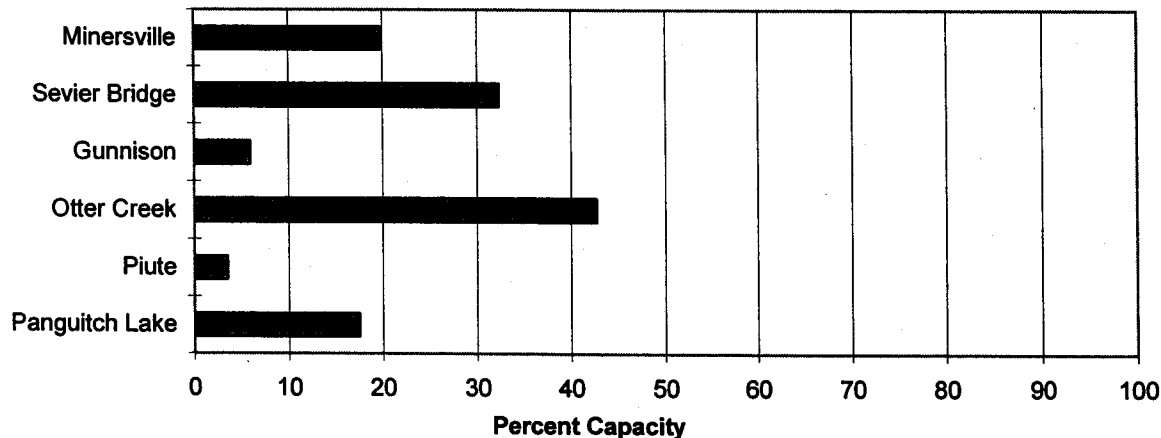
## Sevier River Precipitation

2/1/2003



## Reservoir Storage

2/1/2003



**SEVIER & BEAVER RIVER BASINS**  
Streamflow Forecasts - February 1, 2003

Forecast Point	Forecast Period	<<----- Drier -----		Future Conditions -----		----- Wetter ----->>		30-Yr Avg. (1000AF)
		90%	70%	Chance Of Exceeding *		30%	10%	
		(1000AF)	(1000AF)	50% (Most Probable) (1000AF)	(% AVG.)	(1000AF)	(1000AF)	
Sevier River at Hatch	APR-JUL	9.9	17.6	28	51	38	57	55
Sevier River nr Kingston	APR-JUL	5.3	30	44	49	58	83	89
EF Sevier R nr Kingston	APR-JUL	2.3	9.1	19.0	50	29	43	38
Sevier R blw Piute Dam	APR-JUL	6.0	32	58	46	84	122	126
Clear Creek nr Sevier	APR-JUL	2.2	6.2	11.0	50	15.8	24	22
Salina Creek at Salina	APR-JUL	MUCH		BELOW AVERAGE RUNOFF		EXPECTED		
Sevier R nr Gunnison	APR-JUL	39	52	126	45	200	340	280
Chicken Creek nr Levan	APR-JUL	0.76	1.31	1.90	42	2.76	4.80	4.50
Oak Creek nr Oak City	APR-JUL	0.38	0.55	0.70	43	0.89	1.29	1.63
Beaver River nr Beaver	APR-JUL	10.9	13.2	15.0	58	17.1	21	26
Minersville Reservoir inflow	APR-JUL	2.9	4.7	6.5	39	9.0	14.6	16.6

**SEVIER & BEAVER RIVER BASINS**  
Reservoir Storage (1000 AF) - End of January

**SEVIER & BEAVER RIVER BASINS**  
Watershed Snowpack Analysis - February 1, 2003

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GUNNISON	20.3	1.1	1.4	13.1	UPPER SEVIER RIVER (south	8	94	50
MINERSVILLE (RkyFd)	23.3	4.6	7.6	14.4	EAST FORK SEVIER RIVER	3	107	60
OTTER CREEK	52.5	22.4	35.1	36.5	SOUTH FORK SEVIER RIVER	5	85	44
PIUTE	71.8	2.5	40.7	49.5	LOWER SEVIER RIVER (inclu	6	80	57
SEVIER BRIDGE	236.0	76.3	106.2	159.6	BEAVER RIVER	2	99	58
PANGUITCH LAKE	22.3	3.9	11.9	131.4	SEVIER & BEAVER RIVER BAS	16	88	54

\* 90%, 70%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.  
 (2) - The value is natural volume - actual volume may be affected by upstream water management.